



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Detering et al.

**Serial No.:** 10/633,464

**Filed:** July 31, 2003

**For:** FAST QUENCH REACTOR AND  
METHOD

**Confirmation No.:** 7420

**Examiner:** S. Kastler

**Group Art Unit:** 1742

**Attorney Docket No.:** EGG-PI-413 RE/RE

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

03 Jan 2006  
Date

Signature

Kathy Harris

Name (Type/Print)

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of U.S. patents and U.S. patent publications are not being submitted pursuant to M.P.E.P. 609 III A(2). Copies of foreign patent documents and non-patent literature are enclosed pursuant to 37 C.F.R. § 1.98(a)(2).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as

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defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

Applicants offer to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed after the mailing date of the first Office Action on the merits.

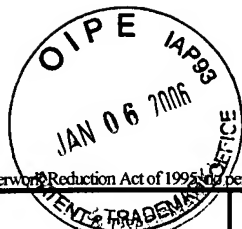
The fee pursuant to 37 C.F.R. § 1.17(p) is enclosed.

Respectfully submitted,



Stephen R. Christian  
Registration No. 32,687  
Attorney for Applicants  
P.O. Box 1625  
Idaho Falls, ID 83415-3899  
Phone: (208) 526-9140  
Fax: (208) 526-8339

Date: 3 Jan 2004



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number	10/633,464
Filing Date	July 31, 2003
First Named Inventor	Detering et al.
Group Art Unit	1742
Examiner Name	S. Kastler
Attorney Docket Number	EGG-PI-413 RE/RE

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		2,475,282	07/1949	Hasche	
		2,552,308	05/1951	Buchmann et al.	
		2,686,195	08/1954	McAdams et al.	
		3,668,108	06/1972	Houseman	
		3,682,142	08/1972	Newkirk	
		3,848,068	04/1971	Rice	
		3,891,562	06/1975	Mogensen et al.	
		3,914,573	10/1975	Muehlberger	
		3,976,442	08/1976	Paull et al.	
		3,989,512	11/1976	Sayce	
		4,182,746	01/1980	Myint	
		4,309,359	01/1982	Pinto	
		4,315,893	02/1982	McCallister	
		4,670,359	06/1987	Beshty et al.	
		4,833,170	05/1989	Agee	
		4,844,437	07/1989	Heck et al.	
		5,017,196	05/1991	Dewitz	
		5,110,565	05/1992	Weimer et al.	
		5,409,784	04/1995	Bromberg et al.	
		5,425,332	06/1995	Rabinovich et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		GB 1 248 595	10/06/1971	Ionarc Smelters Ltd.		
		EP 0 282 291 B1	06/24/1992	Saiki et al.		
		WO 93/12205	06/24/1993	Lynum et al.		
		EP 0 618 951 B1	09/04/1996	Lynum et al.		
		WO 96/28577	09/1996	Detering et al.		
		WO 98/19965	05/14/1998	Sethuram et al.		
		WO 01/58625 A1	08/16/2001	Deegan et al.		
		WO 01/78471 A1	10/18/2001	Johnson		

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		Number - Kind Code <sup>2</sup> (if known)			
		5,437,250	08/1995	Rabinovich et al.	
		5,451,738	09/1995	Alvi et al.	
		5,481,080	01/1996	Lynum et al.	
		5,486,313	01/1996	De Jong et al.	
		5,538,706	07/1996	Kapoor et al.	
		5,500,501	03/1996	Lynum et al.	
		5,527,518	06/1996	Lynum et al.	
		5,582,927	12/1996	Andricacos et al.	
		5,723,505	03/1998	Chaumette et al.	
		5,725,616	03/1994	Lynum et al.	
		5,733,941	03/1998	Waycuilis	
		5,852,927	12/1998	Cohn et al.	
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		5,883,138	03/1999	Hershkowitz et al.	
		5,886,056	03/1999	Hershkowitz et al.	
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		5,984,997	11/1999	Bickmore et al.	
		6,127,645	10/2000	Titus et al.	
		6,187,226 B1	02/2001	Detering et al.	
		6,395,197	05/2002	Detering et al.	
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		2004/0208805	10/2004	Fincke et al.	
		6,821,500	11/2004	Fincke et al.	

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Attorney Docket Number	EGG-PL 413 PE/PE

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		European Search Report dated April 9, 2003.	
		Olsen et al., "Unit Processes and Principles of Chemical Engineering," D. Van Nostrand Co., Inc., July 5, 1932, pages 1-3.	

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